

# State of Utah

## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF AIR QUALITY

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### Title V Operating Permit

**PERMIT NUMBER: 3500210002**

**DATE OF PERMIT: May 28, 2002**

Date of Last Revision: May 28, 2002

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This Operating Permit is issued to, and applies to the following:

**Name of Permittee:**

Weir Specialty Pumps  
440 W 800 S  
Salt Lake City, UT 84101

**Permitted Location:**

Rubber Engineering  
3459 S 700 W  
P.O. Box 26188  
Salt Lake City, UT 84119

UTM coordinates: 4,505,420 meters Northing, 423,150 meters Easting  
SIC code: 3069

### ABSTRACT

The Rubber Engineering facility is engaged in the manufacture of rubber products. Products include such items as rubber linings for tanks and pipe, specialty molded rubber products, custom molded polyurethane products, and elastomer lined valves and pumps. Various rubber compounds are mixed and milled on-site. Subpart T - National Emissions Standards for Halogenated Solvent Cleaning applies to the facility. The Rubber Engineering facility is a major source of hazardous air pollutants (HAPs).

### UTAH AIR QUALITY BOARD

By:

Richard W. Sprott, Executive Secretary

Prepared By:

James Chapman

## Operating Permit History

3/25/97 - Permit issued	Action initiated by an initial operating permit application	
4/19/01 -Permit modified	Action initiated by a reopening of an operating permit for cause	to update the inventory provision of the permit, to make minor language changes as requested by EPA, and to add Subpart T language to the Title V permit and to incorporate requirements from new approval order issued October 15th 2000.
5/28/02 - Permit issued	Action initiated by a renewal of an operating permit	

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**Issued under authority of Utah Code Ann. Section 19-2-104 and 19-2-109.1, and in accordance with Utah Administrative Code R307-415 Operating Permit Requirements.**

All definitions, terms and abbreviations used in this permit conform to those used in Utah Administrative Code R307-101 and R307-415 (Rules), and 40 Code of Federal Regulations (CFR), except as otherwise defined in this permit. Unless noted otherwise, references cited in the permit conditions refer to the Rules.

Where a permit condition in Section I, General Provisions, partially recites or summarizes an applicable rule, the full text of the applicable portion of the rule shall govern interpretations of the requirements of the rule. In the case of a conflict between the Rules and the permit terms and conditions of Section II, Special Provisions, the permit terms and conditions of Section II shall govern except as noted in Provision I.M, Permit Shield.

**Section I: General Provisions**

**I.A. Federal Enforcement.**

All terms and conditions in this permit, including those provisions designed to limit the potential to emit, are enforceable by the EPA and citizens under the Clean Air Act of 1990 (CAA) except those terms and conditions that are specifically designated as "State Requirements". (R307-415-6b)

**I.B. Permitted Activity(ies).**

Except as provided in R307-415-7b(1), the permittee may not operate except in compliance with this permit. (See also Provision I.E, Application Shield)

**I.C. Duty to Comply.**

- I.C.1 The permittee must comply with all conditions of the operating permit. Any permit noncompliance constitutes a violation of the Air Conservation Act and is grounds for any of the following: enforcement action; permit termination; revocation and reissuance; modification; or denial of a permit renewal application. (R307-415-6a(6)(a))
- I.C.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (R307-415-6a(6)(b))
- I.C.3 The permittee shall furnish to the Executive Secretary, within a reasonable time, any information that the Executive Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Executive Secretary copies of records required to be kept by this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the EPA along with a claim of confidentiality. (R307-415-6a(6)(e))
- I.C.4 This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay

any permit condition, except as provided under R307-415-7f(1) for minor permit modifications. (R307-415-6a(6)(c))

**I.D. Permit Expiration and Renewal.**

I.D.1 **This permit is issued for a fixed term of five years and expires on May 28, 2007.** (R307-415-6a(2))

I.D.2 Application for renewal of this permit is due by November 28, 2006. An application may be submitted early for any reason. (R307-415-5a(1)(c))

I.D.3 An application for renewal submitted after the due date listed in I.D.2 above shall be accepted for processing, but shall not be considered a timely application and shall not relieve the permittee of any enforcement actions resulting from submitting a late application. (R307-415-5a(5))

I.D.4 Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted consistent with R307-415-7b (see also Provision I.E, Application Shield) and R307-415-5a(1)(c) (see also Provision I.D.2). (R307-415-7c(2))

**I.E. Application Shield.**

If the permittee submits a timely and complete application for renewal, the permittee's failure to have an operating permit will not be a violation of R307-415, until the Executive Secretary takes final action on the permit renewal application. In such case, the terms and conditions of this permit shall remain in force until permit renewal or denial. This protection shall cease to apply if, subsequent to the completeness determination required pursuant to R307-415-7a(3), and as required by R307-415-5a(2), the applicant fails to submit by the deadline specified in writing by the Executive Secretary any additional information identified as being needed to process the application. (R307-415-7b(2))

**I.F. Severability.**

In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force. (R307-415-6a(5))

**I.G. Permit Fee.**

I.G.1 The permittee shall pay an annual emission fee to the Executive Secretary consistent with R307-415-9. (R307-415-6a(7))

I.G.2 The emission fee shall be due on October 1 of each calendar year or 45 days after the source receives notice of the amount of the fee, whichever is later. (R307-415-9(4)(a))

**I.H. No Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privilege. (R307-415-6a(6)(d))

**I.I. Revision Exception.**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (R307-415-6a(8))

**I.J. Inspection and Entry.**

I.J.1 Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Executive Secretary or an authorized representative to perform any of the following:

I.J.1.a Enter upon the permittee's premises where the source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit. (R307-415-6c(2)(a))

I.J.1.b Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. (R307-415-6c(2)(b))

I.J.1.c Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. (R307-415-6c(2)(c))

I.J.1.d Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with this permit or applicable requirements. (R307-415-6c(2)(d))

I.J.2 Any claims of confidentiality made on the information obtained during an inspection shall be made pursuant to Utah Code Ann. Section 19-1-306. (R307-415-6c(2)(e))

**I.K. Certification.**

Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification as to its truth, accuracy, and completeness, by a responsible official as defined in R307-415-3. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (R307-415-5d)

**I.L. Compliance Certification.**

I.L.1 Permittee shall submit to the Executive Secretary an annual compliance certification, certifying compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. This certification shall be submitted no later than May 1, 2003 and that date each year following until this permit expires. The certification shall include all the following (permittee may cross-reference this permit or previous reports): (R307-415-6c(5))

I.L.1.a The identification of each term or condition of this permit that is the basis of the certification;

I.L.1.b The identification of the methods or other means used by the permittee for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such

methods and other means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements in this permit. If necessary, the permittee also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information;

- I.L.1.c The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Provision I.L.1.b. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred; and
- I.L.1.d Such other facts as the Executive Secretary may require to determine the compliance status.
- I.L.2 The permittee shall also submit all compliance certifications to the EPA, Region VIII, at the following address or to such other address as may be required by the Executive Secretary: (R307-415-6c(5)(d))

Office of Enforcement, Compliance and Environmental Justice  
(mail code 8ENF)  
EPA, Region VIII  
999 18th Street, Suite 300  
Denver, CO 80202-2466

**I.M. Permit Shield.**

- I.M.1 Compliance with the provisions of this permit shall be deemed compliance with any applicable requirements as of the date of this permit, provided that:
- I.M.1.a Such applicable requirements are included and are specifically identified in this permit, or (R307-415-6f(1)(a))
- I.M.1.b Those requirements not applicable to the source are specifically identified and listed in this permit. (R307-415-6f(1)(b))
- I.M.2 Nothing in this permit shall alter or affect any of the following:
- I.M.2.a The emergency provisions of Utah Code Ann. Section 19-1-202 and Section 19-2-112, and the provisions of the CAA Section 303. (R307-415-6f(3)(a))
- I.M.2.b The liability of the owner or operator of the source for any violation of applicable requirements under Utah Code Ann. Section 19-2-107(2)(g) and Section 19-2-110 prior to or at the time of issuance of this permit. (R307-415-6f(3)(b))
- I.M.2.c The applicable requirements of the Acid Rain Program, consistent with the CAA Section 408(a). (R307-415-6f(3)(c))

I.M.2.d The ability of the Executive Secretary to obtain information from the source under Utah Code Ann. Section 19-2-120, and the ability of the EPA to obtain information from the source under the CAA Section 114. (R307-415-6f(3)(d))

**I.N. Emergency Provision.**

I.N.1 An “emergency” is any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error. (R307-415-6g(1))

I.N.2 An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the affirmative defense is demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

I.N.2.a An emergency occurred and the permittee can identify the causes of the emergency. (R307-415-6g(3)(a))

I.N.2.b The permitted facility was at the time being properly operated. (R307-415-6g(3)(b))

I.N.2.c During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in this permit. (R307-415-6g(3)(c))

I.N.2.d The permittee submitted notice of the emergency to the Executive Secretary within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirement of Provision I.S.2.c below. (R307-415-6g(3)(d))

I.N.3 In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. (R307-415-6g(4))

I.N.4 This emergency provision is in addition to any emergency or upset provision contained in any other section of this permit. (R307-415-6g(5))

**I.O. Operational Flexibility.**

Operational flexibility is governed by R307-415-7d(1).

**I.P. Off-permit Changes.**

Off-permit changes are governed by R307-415-7d(2).

**I.Q. Administrative Permit Amendments.**

Administrative permit amendments are governed by R307-415-7e.



I.R.        **Permit Modifications.**

Permit modifications are governed by R307-415-7f.

I.S.        **Records and Reporting.**

I.S.1        Records.

I.S.1.a        The records of all required monitoring data and support information shall be retained by the permittee for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-charts or appropriate recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. (R307-415-6a(3)(b)(ii))

I.S.1.b        For all monitoring requirements described in Section II, Special Provisions, the source shall record the following information, where applicable: (R307-415-6a(3)(b)(i))

I.S.1.b.1        The date, place as defined in this permit, and time of sampling or measurement.

I.S.1.b.2        The date analyses were performed.

I.S.1.b.3        The company or entity that performed the analyses.

I.S.1.b.4        The analytical techniques or methods used.

I.S.1.b.5        The results of such analyses.

I.S.1.b.6        The operating conditions as existing at the time of sampling or measurement.

I.S.1.c        Additional record keeping requirements, if any, are described in Section II, Special Provisions.

I.S.2        Reports.

I.S.2.a        Monitoring reports shall be submitted to the Executive Secretary every six months, or more frequently if specified in Section II. All instances of deviation from permit requirements shall be clearly identified in the reports. (R307-415-6a(3)(c)(i))

I.S.2.b        All reports submitted pursuant to Provision I.S.2.a shall be certified by a responsible official in accordance with Provision I.K of this permit. (R307-415-6a(3)(c)(i))

I.S.2.c        The Executive Secretary shall be notified promptly of any deviations from permit requirements including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. **Prompt, as used in this condition, shall be defined as written notification within 7 days.** Deviations from permit requirements due to unavoidable breakdowns shall be reported in accordance with the provisions of R307-107. (R307-415-6a(3)(c)(ii))

I.S.3 Notification Addresses.

I.S.3.a All reports, notifications, or other submissions required by this permit to be submitted to the Executive Secretary are to be sent to the following address or to such other address as may be required by the Executive Secretary:

Utah Division of Air Quality  
P.O. Box 144820  
Salt Lake City, UT 84114-4820  
Phone: 801-536-4000

I.S.3.b All reports, notifications or other submissions required by this permit to be submitted to the EPA should be sent to one of the following addresses or to such other address as may be required by the Executive Secretary:

For annual compliance certifications

Environmental Protection Agency, Region VIII  
Office of Enforcement, Compliance and  
Environmental Justice (mail code 8ENF)  
999 18th Street, Suite 300  
Denver, CO 80202-2466

For reports, notifications, or other correspondence  
related to permit modifications, applications, etc.

Environmental Protection Agency, Region VIII  
Office of Partnerships & Regulatory Assistance  
Air & Radiation Program (mail code 8P-AR)  
999 18th Street, Suite 300  
Denver, CO 80202-2466  
Phone: 303-312-6440

I.T. **Reopening for Cause.**

I.T.1 A permit shall be reopened and revised under any of the following circumstances:

I.T.1.a New applicable requirements become applicable to the permittee and there is a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the terms and conditions of this permit have been extended pursuant to R307-415-7c(3), application shield. (R307-415-7g(1)(a))

I.T.1.b The Executive Secretary or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (R307-415-7g(1)(c))

I.T.1.c EPA or the Executive Secretary determines that this permit must be revised or revoked to assure compliance with applicable requirements. (R307-415-7g(1)(d))

I.T.1.d Additional applicable requirements are to become effective before the renewal date of this permit and are in conflict with existing permit conditions. (R307-415-7g(1)(e))

I.T.2            Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. (R307-415-7g(2))

I.U.            **Inventory Requirements.**

I.U.1            An emission inventory shall be submitted in accordance with the procedures of R307-150, Emission Inventories. (R307-150)

I.U.2            A Hazardous Air Pollutant Inventory shall be submitted in accordance with the procedures of R307-155, Hazardous Air Pollutant Inventory. (R307-155)

I.U.3            An emission statement shall be submitted in accordance with the procedures in R307-158, Emission Statement Inventory. (R307-158)

## **Section II: SPECIAL PROVISIONS**

### **II.A. Emission Unit(s) Permitted to Discharge Air Contaminants.**

(R307-415-4(3)(a) and R307-415-4(4))

- II.A.1 **Banbury Mixer Dust Collector** (designated as Unit #1)  
Unit Description: Dust collector for Banbury mixers and rubber mills.
- II.A.2 **Carbon Black Baghouse** (designated as Unit #2)  
Unit Description: Controls emissions from the carbon black transfer system.
- II.A.3 **Packer Dust Collector** (designated as Unit #3)  
Unit Description: Control unit for Packer sandblast booth.
- II.A.4 **Packer Paint Booth** (designated as Unit #4)  
Unit Description: Control unit for Packer paint area, equipped with paint arrestor filters.
- II.A.5 **Heat Cleaning Oven** (designated as Unit #5)  
Unit Description: natural gas, rated at 2,800,000 BTU/hr, equipped with one afterburner.
- II.A.6 **Vapor Degreaser** (designated as Unit #6)  
Unit Description: Open top vapor degreaser with refrigerated chiller.
- II.A.7 **Steam Boiler - North** (designated as Unit #7)  
Unit Description: natural gas, rated at 12,553,000 BTU/hr, Installed 1979
- II.A.8 **Steam Boiler - South** (designated as Unit #8)  
Unit Description: natural gas, rated at 14,645,000 BTU/hr, Installed 1970
- II.A.9 **Rotoblast Dust Collector - East** (designated as Unit #9)  
Unit Description: shaker dust collector
- II.A.10 **Rotoblast Dust Collector - West** (designated as Unit #10)  
Unit Description: shaker dust collector
- II.A.11 **Press Paint Booth** (designated as Unit #11)  
Unit Description: Equipped with paint arrestor filters to capture particulates.
- II.A.12 **Cure Oven** (designated as Unit #13)  
Unit Description: natural gas, rated at 800,000 BTU/hr
- II.A.13 **Handlay Paint Booth** (designated as Unit #12)  
Unit Description: Equipped with paint arrestor filters to capture particulates.
- II.A.14 **Manufacture of Rubber Cements** (designated as Unit #14)  
Unit Description: Area for manufacturing of rubber cement-- three mixers. No unit-specific applicable requirements.
- II.A.15 **Emergency Backup Generator** (designated as Unit #15)  
Unit Description: 8 kW backup generator, natural gas.

### **II.B. Requirements and limitations.**

The following emission limitations, standards, and operational limitations apply to the permitted facility as indicated: (R307-415-6a(1))

#### **II.B.1 Condition:**

The aggregate VOC emissions from the site shall not exceed 59.46 tons per rolling 12-month period. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

II.B.1.a

**Monitoring:**

The plant-wide emissions of VOCs shall be determined by maintaining a record of VOC-containing materials used each month. The total shall be calculated for each calendar month and added to the previous 11 months data within 7 days of the end of the month (result is a 12 month rolling total).

II.B.1.b

**Recordkeeping:**

Records shall include the following data for each item used:

(1) Name of the VOC emitting material, such as: paint, adhesive, solvent, thinner, reducers, chemicals, compounds, toxics, isocyanates, etc;

(2) Quantity of VOC-containing materials used (gallons);

(3) Density of VOC-containing materials used (pounds per gallon);

(4) Percent by weight of all VOCs in each material.

(5) The total quantity of VOCs used each month shall be the sum of the VOC usage calculated for each material by the following procedure:

VOC usage (lbs) = [% VOC by Weight/100] x [Density (lb/gal)] x [Quantity Consumed (gal)]

VOC usage (tons) = VOC usage (lbs) / 2,000

(6) The quantity of VOC reclaimed for the month shall be similarly quantified and subtracted from the quantities calculated in step (5), to provide the monthly total VOC emissions.

II.B.1.c

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.d

**Affected Units:**

permitted source (Source-wide)

**II.B.2**

**Condition:**

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any permitted plant equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [Authority granted under R307-401-5; condition originated in DAQE-0671-00]

II.B.2.a

**Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.2.b

**Recordkeeping:**

Permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.2.c

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.2.d

**Affected Units:**

permitted source (Source-wide)

**II.B.3**

**Condition:**

Fugitive VOC emissions shall be minimized by the following procedures:

(1) Control techniques and work practices include:

- (a) tight fitting covers for open tanks;
- (b) covered containers for solvent wiping cloths;
- (c) collection hoods for areas where solvent is used for cleanup; and
- (d) proper disposal of dirty cleanup solvent.

(2) Tanks, containers and all associated equipment shall be maintained in good operating condition and leaks shall be repaired immediately.

(3) Proper disposal of waste solvents. Waste solvents or waste materials which contain solvents shall be disposed of by recycling, reclaiming or by incineration in an incinerator approved to process hazardous materials or by an alternate means approved by the executive secretary.

(4) Written procedures for the operation and maintenance of the degreasing or solvent cleaning equipment shall be permanently posted in an accessible and conspicuous location near the equipment. [Authority granted under R307-335; condition originated in DAQE-0671-00]

II.B.3.a

**Monitoring:**

A visual observation shall be made monthly for proper control techniques and work practices to insure: minimization of fugitive VOC emissions, equipment is in good operating condition, proper disposal of waste solvents, and posting of operation and maintenance procedures near degreasing and solvent cleaning equipment.

II.B.3.b

**Recordkeeping:**

A log shall be kept of the monthly visual observations.

II.B.3.c

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.3.d

**Affected Units:**

permitted source (Source-wide)

**II.B.4**

**Condition:**

The operating temperature of the Heat Cleaning Oven Afterburner shall not be less than 1,600 degrees F for more than six (6) minutes during any continuous 60 minute period. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

- II.B.4.a                    Monitoring:**  
The Heat Cleaning Oven Afterburner temperature shall be continuously monitored. The readings shall be accurate to within 25 degrees F.
- II.B.4.b                    Recordkeeping:**  
The operating temperature of the Heat Cleaning Oven Afterburner shall be continuously recorded.
- II.B.4.c                    Reporting:**  
There are no reporting requirements for this provision except those specified in Section I of this permit.
- II.B.4.d                    Affected Units:**  
Heat Cleaning Oven (Unit #5)
- II.B.5                    Condition:**  
The material throughput of the Heat Cleaning Oven shall not exceed 154,000 pounds of combustible material per 12-month period. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]
- II.B.5.a                    Monitoring:**  
Compliance with the limitation shall be demonstrated by recording the weight of the material fed to the oven, the weight of the core material exiting the oven, and the difference of these weights (weight of the material combusted).
- II.B.5.b                    Recordkeeping:**  
Compliance with the limitation shall be demonstrated on a rolling 12-month total. The calculation shall be based on the first day of each month. The new 12-month total shall be calculated using the previous 12 months.
- II.B.5.c                    Reporting:**  
There are no reporting requirements for this provision except those specified in Section I of this permit.
- II.B.5.d                    Affected Units:**  
Heat Cleaning Oven (Unit #5)
- II.B.6                    Condition:**  
Visible emissions shall be no greater than 10 percent opacity. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]
- II.B.6.a                    Monitoring:**  
An opacity determination shall be conducted once in each quarter that the affected emission unit is operated. The opacity determination shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.
- II.B.6.b                    Recordkeeping:**  
Results from opacity observations (EPA Method 9) shall be recorded and maintained in accordance with Provision S.1 in Section I of this permit.

II.B.6.c

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.6.d

**Affected Units:**

Banbury Mixer Dust Collector (Unit #1)  
Carbon Black Baghouse (Unit #2)  
Packer Dust Collector (Unit #3)  
Rotoblast Dust Collector - East (Unit #9)  
Rotoblast Dust Collector - West (Unit #10)

II.B.7

**Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

II.B.7.a

**Monitoring:**

In lieu of monitoring via visible emission observations, fuel usage shall be monitored to demonstrate that only natural gas is used as fuel.

II.B.7.b

**Recordkeeping:**

An operating log will be maintained to document any period when plant equipment is operated using any fuel other than natural gas.

II.B.7.c

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.7.d

**Affected Units:**

Heat Cleaning Oven (Unit #5)  
Steam Boiler - North (Unit #7)  
Steam Boiler - South (Unit #8)  
Cure Oven (Unit #13)  
Emergency Backup Generator (Unit #15)

II.B.8

**Condition:**

Emissions of PM<sub>10</sub> shall be no greater than 22.51 lbs/hour and no greater than 0.016 grains/dscf. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

II.B.8.a

**Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency. Emissions shall be tested every five years. The source may also be tested at any time if directed by the Executive Secretary.

(b) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.



(c) Methods.

(1) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location.

(2) For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201 or 201a. Method 202 may be used to measure condensable particulate matter.

(3) For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method 5, 5a, 5d, or 5e as appropriate. The back half condensables shall also be tested using a method specified by the Executive Secretary. All particulate captured shall be considered PM<sub>10</sub>.

(4) The back half condensables shall not be used for compliance demonstration but shall be used for inventory purposes.

(d) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation. (R307-1-3.4.1)

(e) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

II.B.8.b

**Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

II.B.8.c

**Reporting:**

The results of stack testing shall be submitted to the Executive Secretary within 60 days of completion of the testing. Reports shall clearly identify results as compared to permit limits and indicate compliance status. There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.8.d

**Affected Units:**

Banbury Mixer Dust Collector (Unit #1)

II.B.9

**Condition:**

The permittee shall ensure that the 3-month rolling average monthly emissions of halogenated HAP solvent from each solvent cleaning machine is less than or equal to 150 Kg/m<sup>2</sup> (31.5 lb/ft<sup>2</sup>) per month. [Authority granted under 40 CFR 63.464(a)(1)(ii); condition originated in 40 CFR 63.464(a)(1)(ii)]

II.B.9.a                   **Monitoring:**  
Emissions testing shall be conducted following the testing procedures outlined in 40 CFR 63.465(c).

II.B.9.b                   **Recordkeeping:**  
Records shall be kept of the calculation sheets showing how monthly emissions and the rolling 3-month average emissions from the solvent cleaning machine were determined, and the results of all calculations. Permittee shall maintain records of calculations of monthly and 3-month rolling average emissions on a monthly basis.

II.B.9.c                   **Reporting:**  
In addition to the reporting requirements in Section I, the permittee shall submit an exceedance report semiannually. If an exceedance has occurred, then an exceedance report shall be submitted quarterly until a request submitted under 40 CFR 63.468(i) to reduce reporting is approved.  
  
Exceedance reports shall be maintained with the following information; (1) if an exceedance has occurred, the reason for the exceedance and a description of the actions taken, (2) if no exceedances of parameters have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

II.B.9.d                   **Affected Units:**  
Vapor Degreaser (Unit #6)

**II.B.10                   Condition:**  
The permittee shall maintain a record (dates and amounts) of solvent additions and/or any solvent or other waste removed from the solvent cleaning machine. [Authority granted under 40 CFR 63.464(a)(1)(i); condition originated in 40 CFR 63.464(a)(1)(i)]

II.B.10.a                   **Monitoring:**  
Records required for this permit condition will serve as monitoring.

II.B.10.b                   **Recordkeeping:**  
A log shall be kept of the dates and amounts of solvent that are added to the solvent cleaning machine and the solvent composition of wastes removed from the cleaning machines as determined using the procedures described in 40 CFR 63.467(c). The log shall be kept in either electronic or written form for a period of 5 years.

II.B.10.c                   **Reporting:**  
There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.10.d                   **Affected Units:**  
Vapor Degreaser (Unit #6)

**II.B.11                   Condition:**  
On the first operating day of each month the permittee shall insure that:

- (1) the machine contains only clean solvent,
- (2) the solvent level in the machine is returned to the fill line established during the first month the measurements were made, and
- (3) the solvent emissions are determined for the previous month. [Authority granted under 40 CFR 63.465(b); condition originated in 40 CFR 63.465(b)]

**II.B.11.a                    Monitoring:**

Records required for this permit condition will serve as monitoring.

**II.B.11.b                    Recordkeeping:**

A log shall be kept of the dates and amounts of solvent that are added to the solvent cleaning machine and the solvent composition of wastes removed from the cleaning machines as determined using the procedures described in 40 CFR 63.467(c). The log shall be kept in either electronic or written form for a period of 5 years.

**II.B.11.c                    Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

**II.B.11.d                    Affected Units:**

Vapor Degreaser (Unit #6)

**II.B.12                    Condition:**

Emissions of NO<sub>x</sub> shall be no greater than 1.87 lbs/hour and no greater than 124 ppm<sub>dv</sub> (7% oxygen, Dry). [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

**II.B.12.a                    Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency. Emissions shall be tested every five years. The source may also be tested at any time if directed by the Executive Secretary.

(b) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.

(c) Methods.

(1) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location.

(2) 40 CFR 60, Appendix A, Method 7, 7A, 7B, 7C, 7D, or 7E shall be used to determine the pollutant emission rate.

(3) 40 CFR 60, Appendix A, Method 2 shall be used to determine the volumetric flow rate.

(d) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.

(e) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

II.B.12.b

**Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

II.B.12.c

**Reporting:**

The results of stack testing shall be submitted to the Executive Secretary within 60 days of completion of the testing. Reports shall clearly identify results as compared to permit limits and indicate compliance status. There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.12.d

**Affected Units:**

Steam Boiler - South (Unit #8)

**II.B.13**

**Condition:**

Emissions of NO<sub>x</sub> shall be no greater than 2.18 lbs/hour and no greater than 125 ppmdv (7% oxygen, Dry). [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

II.B.13.a

**Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency. Emissions shall be tested every five years. The source may also be tested at any time if directed by the Executive Secretary.

(b) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.

(c) Methods.

(1) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location.

(2) 40 CFR 60, Appendix A, Method 7, 7A, 7B, 7C, 7D, or 7E shall be used to determine the pollutant emission rate.

(3) 40 CFR 60, Appendix A, Method 2 shall be used to determine the volumetric flow rate.

(d) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.

(e) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

II.B.13.b

**Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

II.B.13.c

**Reporting:**

The results of stack testing shall be submitted to the Executive Secretary within 60 days of completion of the testing. Reports shall clearly identify results as compared to permit limits and indicate compliance status. There are no additional reporting requirements for this provision except those specified in Section I of this permit.

II.B.13.d

**Affected Units:**

Steam Boiler - North (Unit #7)

II.B.14

**Condition:**

The paint spray booths shall be equipped with paint arrestor particulate filters. All air exiting the booths shall pass through the filters before being vented to the atmosphere. [Authority granted under R307-401-6(1) [BACT]; condition originated in DAQE-0671-00]

II.B.14.a

**Monitoring:**

A visual observation shall be made monthly for proper installation of the particulate filters.

II.B.14.b

**Recordkeeping:**

A log shall be kept on the monthly visual observations of the paint arrestor particulate filter.

II.B.14.c

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.14.d

**Affected Units:**

Packer Paint Booth (Unit #4)  
Press Paint Booth (Unit #11)  
Handlay Paint Booth (Unit #12)

II.C.

**Emissions Trading.**

(R307-415-6a(10))

Not applicable to this source.

**II.D. Alternative Operating Scenarios.**

(R307-415-6a(9))

Not applicable to this source.

**Section III: PERMIT SHIELD**

A permit shield was not granted for any specific requirements.

**Section IV: ACID RAIN PROVISIONS.**

This source is not subject to Title IV. This section is not applicable.

## REVIEWER COMMENTS

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This operating permit incorporates all applicable requirements contained in the following documents:

DAQE-0671-00	dated	October 15, 2000
DAQE-0408-93	dated	May 28, 1993
DAQE-317-92	dated	March 06, 1992
DAQE-634-91	dated	September 04, 1991
BAQE-143-91	dated	February 27, 1991

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**1. Comment on an item originating in Subpart T Requirements regarding Vapor Degreaser (Unit 6)**

Alternative Standard: Rubber Engineering has chosen to meet the alternative standard found in 40 CFR 63.464 to meet the requirements of Subpart T. Rubber Engineering has a Batch Vapor solvent cleaning machine with a solvent/air interface and must meet the requirements of 63.464 (a) (1) (I) and (ii) with a limit of 150 kg/square meter/month on a 3 month rolling average. [Comment last updated on 5/22/2002]

**2. Comment on an item originating in R307-335 regarding Vapor Degreaser (Unit 6)**

Condition II.B.13 dropped from renewal Title V permit: The requirements of R307-335 (VOC RACT rule) are not applicable to the vapor degreaser at the Rubber Engineering facility because only perchloroethelene is used in their open top vapor degreaser. Perchloroethelene is not a VOC by EPA definition and therefore our VOC RACT rule does not apply. Therefore, condition II.B.13 has not been brought forward into the renewed Title V permit for Rubber Engineering. [Comment last updated on 5/22/2002]

**3. Comment on an item originating in 40 CFR subpart Db & Dc regarding Steam Boiler - South (Unit 8)**

Exempt from 40 CFR 60 Subpart Dc: The unit is exempt from the NSPS for small industrial-commercial-institutional steam generating units because it was installed in 1970 which is before the June 9, 1989 date of applicability. [Comment last updated on 4/19/2001]

**4. Comment on an item originating in 40 CFR subpart Db & Dc regarding Steam Boiler - North (Unit 7)**

Exempt from 40 CFR 60 Subpart Dc: The unit is exempt from the NSPS for small industrial-commercial-institutional steam generating units because it was installed in 1979 which is before the June 9, 1989 date of applicability. [Comment last updated on 4/19/2001]

**5. Comment on an item originating in AO DAQE-671-00 regarding Heat Cleaning Oven (Unit 5)**

Operating temperature: AO DAQE-671-00 Condition # 6. The operating temperature of the Heat Cleaning Oven was reduced to be no less than 1,600 degrees F from 1,800 degrees F.

The original review determined that BACT would be an afterburner temperature of between 1,400 and 1,800 degrees F with a residence time of 1 - 2 seconds. The current system is an afterburner temperature no less than 1,600 degrees with a residence time of 1.5 seconds.

There would be no increased environmental benefit to keep the temperature above 1,800 degrees F. [Comment last updated on 5/28/2002]

**6. Comment on an item originating in AO DAQE-671-00 regarding permitted source (Source-wide)**

Condition #15 does not apply: AO DAQE-0671-00 Condition # 15 does not apply to Weir Specialty Pumps. They do not coat large appliances or parts of large appliances at the Rubber Engineering facility. The rule (R307-340-6) applies to sources that have large appliance coating lines. [Comment last updated on 5/07/2002]

**7. Comment on an item originating in AO DAQE-671-00 regarding permitted source (Source-wide)**

Plantwide VOC emissions: AO DAQE-0671-00 Condition # 17. The original plantwide VOC/HAP emissions limit of 60.22 tons per year included constant emission numbers for the emissions from the boilers, curing oven, and heat cleaning oven. These constants were subtracted from the total to reach the new limit of 59.46 tons per year. [Comment last updated on 3/26/2002]